



KING COUNTY
CONSTRUCTION MANAGEMENT V
COMMISSIONING & MAINTENANCE ENGINEER (2 Positions)
DEPARTMENT OF NATURAL RESOURCES AND PARKS
WASTEWATER TREATMENT DIVISION
Annual Salary Range: \$61,935 - \$87,340
Job Announcement: 05SN5567
OPEN: 10/17/05 CLOSE: Open Until Filled (1st screen 10/31/05)

WHO MAY APPLY: These positions are open to the general public. Members of the Technical Employees Association in WTD will be given first consideration.

WHERE TO APPLY: To obtain required King County forms contact the Application Request line at (206) 205-8782 or download from the Internet at

<http://www.metrokc.gov/ohrm/psd/howto.html#application>. To submit required forms and materials:

1. **Wastewater Treatment Division - HR, 201 S. Jackson St., MS/KSC-NR-0511, Seattle, WA 98104**
or
2. **WTD Reception, 5th floor, 201 S. Jackson St., Seattle, M - F 8:00 am to 5:00 pm.**

PLEASE NOTE: Applications not received at either of the locations specified above may not be processed. Application materials must be received by 4:30 p.m. on the 1st screen date. (Postmarks are NOT ACCEPTED.) Contact Jana Buss at (206) 263-6450 for further inquiries.

FORMS AND MATERIALS REQUIRED: A [King County application form](#), resume and letter of interest are required. Describe how your education and experience have prepared you to perform the Primary Job Functions, with a special emphasis on how your background meets or exceeds the Qualifications, Necessary Special Requirements, and Highly Desirable Requirements listed below.

WORK LOCATION: King Street Center, 201 S. Jackson Street, Seattle, Washington.

WORK SCHEDULE: This position is exempt from the provisions of the Fair Labor Standards Act, and is not overtime eligible. The 40-hour workweek is normally Monday through Friday, 8 to 5.

PRIMARY JOB FUNCTIONS:

1. Under general direction, leads and performs high level engineering work involving wastewater treatment and collections systems including commissioning, project management, design, economic analysis, maintenance strategy development, and operational review and compliance.
2. Provide commissioning, planning, competent technical support, and objective overview of the commissioning process and inspection/operations performance documentation.
3. Prepare commissioning documents and forms for inspection, testing, defining acceptance criteria and documentation of results.
4. Assist with problem and root cause identification, solutions, proposals, action planning, implementation or corrective measures, re-inspection, retesting and documentation of satisfactory results when deficiencies are observed.

5. Arrange and coordinate operational and maintenance training of critical process equipment for plant staff contractors, installers, suppliers, and other responsible parties.
6. Develop and present training on system applications, Reliability centered maintenance (RCM) programs, and provide other project engineering technical support as requested.
7. Working with design engineers and plant Operations and Maintenance staff develop a preliminary maintenance strategy and procedure for critical assets.
8. Prepare or direct the preparation of bid documents, including drawings, specifications and cost estimates for the commissioning effort.
9. Provide engineering support during construction. Review and approve shop drawings submitted by contractors; ensure compliance with contract documents.

QUALIFICATIONS:

- A bachelor's degree in engineering or a related field or the equivalent combination of education and experience and seven (7) years of engineering, maintenance or construction experience is required. Five (5) of the seven (7) years should include field inspection and duties similar to those performed by a Construction/Facilities Management IV.
- Knowledge of mathematics, economics, physical and engineering sciences and the principles and methods of engineering and building systems and wastewater process equipment maintenance analysis and design.
- Valid Washington State driver's license, or the ability to obtain one prior to the date of hire.

NECESSARY SPECIAL REQUIREMENTS:

1. Thorough knowledge of engineering, construction, construction management, and maintenance principles and techniques.
2. Experience and ability in one or more of the following: Commissioning wastewater (or other similar industrial) process equipment; reliability-centered maintenance practices; or conducting project alternative analysis using "full lifecycle" or "business case" economic cost evaluations for capital projects, including asset replacement decision justifications.
3. Problem solving skills and creative abilities to audit building commissioning and maintenance strategies for additions and improvements to new and existing facilities.
4. Analytical abilities to evaluate alternative design and maintenance strategy proposals.
5. Demonstrated experience and ability in the project engineer role, handling overall technical matters on projects.
6. Demonstrated experience and ability to write specifications and reports.
7. Ability to work with a diverse group of people and in a team environment.

HIGHLY DESIRABLE:

1. Wastewater pump station and treatment plant process design, construction management and inspection experience.
2. Certified RCM Facilitator and/or trainer
3. Washington State P.E. license (or the ability to convert an out-of-state license within 90 days from date of hire).
4. Master's degree in either Engineering or Business Administration or Economics or Finance
5. Experience with public works contract administration is desired.

CLASS CODE: 401402